

DERWENT-ACC-NO: 1995-029463

DERWENT-WEEK: 199504

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TITLE: Drying installation giving reduced energy consumption
comprises number of drying chambers heated by circulation
of warm water, with provision for pumping out air and
condensate

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PRIORITY-DATA: 1991SU-5003922 (October 2, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
RU 2011940 C1	April 30, 1994	RU

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
RU 2011940C1	N/A	1991SU-5003922	October 2, 1991

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	F26B3/20	20060101
CIPS	F26B3/34	20060101

ABSTRACTED-PUB-NO: RU 2011940 C1

BASIC-ABSTRACT:

The installation comprises a number of drying chambers (1-4), each comprising two vertical walls with inclined shelves for the material requiring drying.

The walls are sepd. for loading and then closed for drying the material in a closed chamber.

Connections on the top and bottom of the drying chambers are provided for pumping out air and condensate. The temperature conditions in the drying chambers are controlled by the circulation of warm water through heating/cooling coils in the chambers. The water is circulated by the pump (6) in a closed circuit with the heater (11) and cooler (24).

USE - For drying with low-grade heat.

ADVANTAGE - Reduced energy consumption and improved coefft. of useful volume of the drying chambers.

CHOSEN-DRAWING: Dwg.1/4

TITLE-TERMS: DRY INSTALLATION REDUCE ENERGY CONSUME COMPRIZE NUMBER CHAMBER
HEAT CIRCULATE WARM WATER PROVISION PUMP AIR CONDENSATE

DERWENT-CLASS: J08 Q76

CPI-CODES: J08-G01;

SECONDARY-ACC-NO:

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